

California Energy Commission

STAFF REPORT

LOCALIZED HEALTH IMPACTS REPORT

Addendum 4 for a Selected Project Awarded Funding
Through the Alternative and Renewable Fuel and Vehicle
Technology Program Under Solicitation PON-09-006 to
Address a Location Change



CALIFORNIA
ENERGY COMMISSION

Edmund G. Brown Jr., Governor

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ADDENDUM 4

The *Localized Health Impacts Report Addendum for Selected Infrastructure Projects Awarded Funding Through the Alternative and Renewable Fuel and Vehicle Technology Program Under Solicitation PON-09-006*, was posted May 28, 2010 (CEC-600-2010-005)¹. Addendum 2, which contained a station location change, was posted March 22, 2013 (CEC-600-2010-005-AD2)². This addendum addresses a station location for a station addressed in Addendum 2 and assesses the potential localized health impacts for the new location.

For the South Coast Air Quality Management District (SCAQMD) project “Natural Gas Infrastructure for the South Coast Air Basin,” Addendum 2 addressed four new stations. One is changing a station location. The Clean Energy Coachella station, located at 45601 Dillon Road, Coachella, will be replaced with the Clean Energy Perris station, located at 23261 Cajalco Expressway, Perris, CA 92571. The station will be located at an existing truck stop.

The Cajalco Expressway location has the same nonattainment status for ozone particulate matter³ (PM) (2.5) and PM (10) (Table 1) as the Dillon Road location.

Table 1: Community Status and Project Overview

Project	At-Risk Community	CEQA Completed	Air District Permit Status	Attainment Status for Ozone, PM (2.5), PM (10)
Perris	Yes	In Progress	In Progress	Nonattainment (all)

Source: Energy Commission staff analysis

The air district has experience in issuing permits for sites and will ensure, during the permitting process, that the Perris station complies with applicable federal, state, and air district standards for the safety and health of the surrounding community. The surrounding community includes three schools and a day care facility. No health care facilities are in the surrounding community.

Community Impacts

This project is not expected to result in adverse health impacts to vulnerable populations in the surrounding community. The project is expected to alleviate air pollutant exposure in the region as liquefied natural gas (LNG) vehicles replace diesel vehicles. Other than minimal

1 Macias, Aleecia. 2010. *Localized Health Impacts Report*. California Energy Commission, Fuels and Transportation Division. Publication Number: CEC-600-2010-005.

2 Williams, Sarah. 2013. *Localized Health Impacts Report*. California Energy Commission, Fuels and Transportation Division. Publication Number: CEC-600-2010-005-AD2

3 "Particulate matter" is unburned fuel particles that form smoke or soot and stick to lung tissue when inhaled.

construction and fuel-dispensing emissions, no significant criteria emissions will result from the upgrade and construction of these stations.

Although the Environmental Justice (EJ) indicators for the location include “minority, poverty level, unemployment rate, and age,” there is a net positive value due to the displacement of gasoline vehicles by LNG vehicles.

While this station is planned to be located within or close to a community highly impacted by air pollution, the stations are not expected to result in any adverse health effects in the nearby communities as a result of the installation and use of the equipment. Table 2 lists the demographics.

Table 2: Demographic Data
(Percentage of total population)

	Perris	California
Below poverty level	28.2	15.3
Ethnicity		
Black	12.1	6.2
American Indian or Alaskan Native	.9	1.0
Hispanic	71.8	37.6
White	11.0	40.1
Age		
< 5 years	10	6.8
> 65 years	4.9	11.4
Unemployment rate (May, 2014)	12.7	7.6

Source: Unemployment Information from the State of California, Employee Development Department (EDD) Labor Market Division: <http://quickfacts.census.gov/qfd/states/06/0656700.html> and Age/ethnicity demographics, U.S. Department of Census: http://www.labormarketinfo.edd.ca.gov/CES/Labor_Force_Unemployment_Data_for_Cities_and_Census_Areas.html

The demographic data provided in Table 2 indicates that the city of Perris has minority populations greater than the California average. The Hispanic population is significantly greater than that of California, along with a Black population that is double the state average. The percentage of Perris residents who live below the poverty line is also higher than the state average. Although this indicates elevated at-risk populations, the project itself will not result in elevated risks. The planned station will reduce emissions, exposure, and health risks at local levels, resulting in benefits to the most vulnerable and disadvantaged.